Work Orde		363		*75	363*								Page 1
Item ID: Revision ID:	D412-742-01	8		Accept	*N9	ററ	040	100)*	Setup		*N	S1*
Item Name:	Cable Guard										Stop	*N	S2*
Start Date:	20/10/2011	Start Qty: 4.00	*4*		Cust	ltem I	D:						
Required Date:	02/11/2011	Req'd Qty: 4.00	*4*		Custo	mer:							
Reference:									_	_	~		
Approvals:	Process Plan	1: M.L.J	Date: 11/10/21	Tooling:	/	_ Da	ate:		F	Run	Start	*N	R1*
	QC:		Date:	SPC (Y/N):	· · · · · · · · · · · · · · · · · · ·	_ Da	ate:				Stop	*N	R2*
Sequence ID/ Work Center ID		Operation Description		Set Up/ Run Hours	Tool	ID	Tool #	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp
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DSI9330	Rev I	D											
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DATE	STEP	Description of NC Section A	Initial	Corrective Action Action Descrip	Section B	Sign &	- Verific		Approval Chief Eng	Approval QC Inspecto
			Chief Eng	Chief Eng		Date				

Work Order ID 75363 *75363* Page 2 October-21-11 8:15:34 AM D412-742-018 Accept *N900040100* Item ID: Setup Start **Revision ID:** Cable Guard Item Name: 20/10/2011 Start Qty: 4.00 *4* **Start Date: Cust Item ID: Required Date:** 02/11/2011 Req'd Qty: 4.00 **Customer:** Reference: Run **Approvals:** Process Plan: Date: **Tooling:** Date: Stop Date: SPC (Y/N): Date: Sequence ID/ **Operation** Set Up/ **Tool ID** Accept Reject Reject Tool # Plan Insp. **Work Center ID** Description Code **Run Hours** Qty Qty Number Stamp 130 0.00 Packaging *130* Packaging 0.00 Memo Packaging Identify and pack for shipping as per PPP D412-742-018 Location: PPP Rev: 140 QC21- Final Inspection - Work Order Release 0.00 *140*

0.00

Memo

Quality Control

M(3-Q1-3-g)

Dart Aerospace I	_td
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W/O:			W	ORK ORDER CHANG	ES					′.•
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			- Critical English	Gillot Eng						

Picklist Print

October-21-11 8:15:39 AM

Work Order ID: 75363

75363

D412-742-018 D412-742-018

Parent Item Name: Cable Guard

Start Date: 20/10/2011

Required Date: 02/11/2011

Start Qty: 4.00

Required Qty: 4.00

Comments:

Parent Item:

IPP Rev:A New Issue 06-05-05 JLM

IPP rev:B As per Rev B 06-08-03 JLM IPP revC per ecn 844

IPP Rev:D 06.09.12 EC

10.06.10 NAS 1515H3L was replace with D3672-1 DD verf:JLM

	10.00.10 INAS 131	JIIJL was Iepia	ce willi D	30/2-1 DD	VCI1.JLIVI								
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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				Location	!	Loc	<u>Qty</u>	Loc Code					
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				Location		Loc	Oty	Loc Code					

<u>Location</u>	Loc Oty	Loc Code	
FP-A	7		
115835	7		
ST350	1309		
116419	28		
117343	110		
117764	169		TE DX
117872	2		
118451	500		
119127	500		BX.

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	Picklist Print Qctober-21-11 8:15:39 AM										Page 2
	Work Order ID: 75363		*7	5363*							
	Parent Item: D412-742-018			412-742-	010 *						
	Parent Item Name: Cable Guard		1.	14 17-147-	010			tart Date: 2 Start Qty: 4		Required Date Required Qty	
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$\widehat{\mathbb{S}}$	*AN3C7A*							**	m	119749	SP-
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ر (*D3499-042*	wandiactarea						**	J 7	75364	
-per	Cable Guard Assembly									75364	
	D3672-1	Manufactured	No		110	Each	804.0000	1	4		•
5	*D3672-1* Phenolic Washer							**	SF	12-01-	19
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		wany aly for \$ D3679-1		AND COPY OF				*******
	毕	washer should be AL 1/1		ADD Dy +9 per 14+ to have concut amount PCZ Kit (@ 10 pcs.).	12,9			
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SUBJECT TO AMENDMENT

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DESIGN	B	DRAWN BY	DART AEROSPACE USA, INC.
CHECK		APPROVED A	DRAWING NO. REV. D
	74	*	DSI 9330 SHEET 1 OF 3
DATE			TITLE SCALE
06.0	8.24		CABLE GUARD INSTALLATION NTS
Α		06.04.25	NEW ISSUE
В		06.05.25	ADD AAI REF. P/N NOTE
С		06.08.16	REVISE INSTALLATION LOCATION AND ADD
			D205-564 BEARPAW COMPATIBILITY NOTE
D		06.08.24	ADD NARROW GHW INSTRUCTIONS

WITHOUT NOTICE

WORK ORDER

NO. 75363 M.C.J DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. B

REF. FAA STC: SR01583SE

REF. CANADIAN STC: SH05-37 ISSUE 1

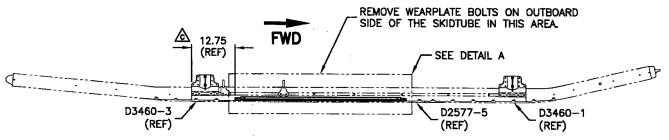
Customers who received Dart D412-742-018 CHG 001 Cable Guard and DSI 9330 Rev. A/B must remove their kit and replace it with D412-742-018 CHG 002 Cable Guard. The D412-742-018 CHG 002 Cable Guard shall be installed as per DSI 9330 Rev. C or later approved revision. The Dart D412-742-018 Cable Guard is designed to provide protection of the right hand skidtube and its flotation system for aircraft equipped with hoist provisions. The D412-742-018 CHG 002 Cable Guard is compatible with D412-742-011/-013 Float Skidtubes installed on either side of the aircraft. The D412-742-018 CHG 002 Cable Guard is also compatible with D412-742-011/-013 Float Skidtubes equipped with the Dart D205-564-011 Bearpaw.

NOTE: For aircrafts equipped with Aeronautical Accessories Inc's Hoist Support Assembly 412-142-300/-350/-400 (Ref. STC No. SH3189SO and SH3190SO), the Dart D412-742-018 CHG 002 Cable Guard Kit can be used as a replacement to AAI's Skid Guard 412-153-510 when the hoist is installed with the Dart Float Skidtubes.

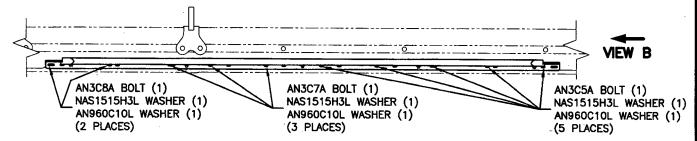
INSTALLATION PROCEDURE

Remove and discard existing hardware securing the wearplates on the outside of the skidtube as shown. Apply a thin layer of Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2' sealant and install the Dart D412-742-018 Cable Guard Kit using provided hardware. Ensure that all AN3 bolts that secure the Cable Guard to the skidtube are sealed with Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2' sealant. Torque bolts to 15-25 in-lbs and apply a layer of LPS Procyon to the exposed hardware after torquing.

NOTE: For installations equipped with the Dart D205-564-011 Bearpaw, it is necessary to remove the clamps holding the bearpaw to the D412-742-011/-013 Skidtubes. Once the Cable Guard is installed in accordance with above instructions, re-install the clamps in accordance with D205-564 Installation Instructions to secure the Bearpaw.



D412-742-013 R/H SKIDTUBE (SHOWN, -011 SIMILAR) WITH D412-742-018 CABLE GUARD (FLOAT BAGS NOT SHOWN FOR CLARITY), VIEW LOOKING INBOARD



DETAIL A: CABLE GUARD INSTALLATION

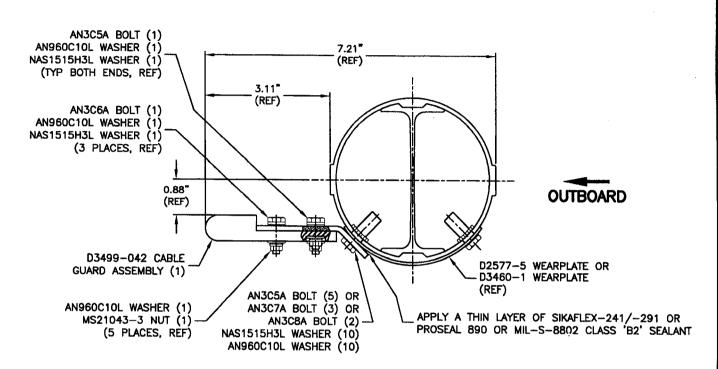
(VIEWED FROM R/H SIDE OF A/C)

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W/O:			WC	ORK ORDER CHANG	ES				
DATE	PROCEDURE CHANGE By Date Qty Part No: PAR #: Fault Category: NCR: Yes No DQA: Resolution: Disposition: QA: N/C Closed: WORK ORDER NON-CONFORMANCE (NCR) CR: WORK ORDER NON-CONFORMANCE (NCR)	Approval Chief Eng / Prod Mgr	Approval QC Inspector						
Part No	•	PAR #:	Fault Cate	gory:	_ NCR: Yes	No DQ	A:	_ Date: _	
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DATE	STEP		Initial	Action Description	Sign 8	k Secti		Approval Chief Eng	Approval QC Inspector
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VIEW B: CABLE GUARD INSTALLATION

(VIEWED LOOKING AFT)

WEIGHT AND BALANCE

		LAT	ERAL	L LONGITUDINA			
Installation	Weight	Arm	Moment	Arm	Moment		
D412-742-018 CABLE GUARD KIT	3.8 lb 1.72 kg	58.2 in 1.48 m	221.2 lb 2.55 m kg	+/- 128.6 in +/- 3.27 m	+/- 488.7 in lb +/- 5.62 m ka		

PARTS LIST

Qty -018	Part Number	Description
Х	D412-742-018	CABLE GUARD KIT
1	D3499-042	CABLE GUARD ASSEMBLY
5	AN3C5A	BOLT
3	AN3C7A	BOLT
2	AN3C8A	BOLT
10	NAS1515H3L	WASHER
10	AN960C10L	WASHER

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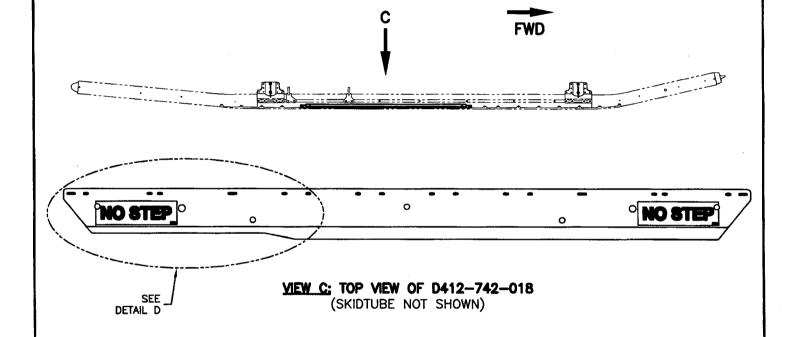
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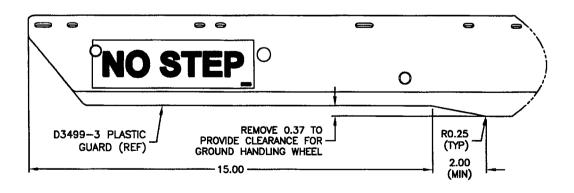


DESIGN 3	DRAWN BY	DART AEROSPACE	
CHECKED CHECKED	APPROVED	DRAWING NO. DSI 9330	REV. D SHEET 3,0F 3
DATE		TITLE	SCALE
06.08.24		CABLE GUARD INSTALLATI	ON NTS

FOR GROUND HANDLING WHEEL UNITS WITH NARROW WHEELSPANS, IT IS ACCEPTABLE TO TRIM THE D3499-3 PLASTIC GUARD AS PER DETAIL D BELOW.

NOTE: A SMOOTH GRADUAL SLOPE IS REQUIRED TO ALLOW THE HOIST CABLE TO
MOVE FREELY OVER THE ENTIRE LENGTH OF THE CABLE GUARD. NO JAGGED
EDGES ARE ALLOWED.





DETAIL D: CABLE GUARD TRIMMING DETAIL

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DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Action Description	Sign &	- Verific		Approval Chief Eng	Approval QC Inspector
*********		Georgia A	Chief Eng	Chief Eng	Date				
	4-								

DART AEROSPACE USA, INC.

REFERENCE ONLY

IIN-D412-742

Page 21 of 21

5.3 D412-742-018 Cable Guard Parts List



ltem	Qty -018	Part Number	Description				
	X	D412-742-018	CABLE GUARD KIT				
101	/ 1	D3499-042	CABLE GUARD ASSEMBLY				
102	1	*D3499-2	*MOUNTING PLATE				
103	1	*D3499-3	*PLASTIC GUARD				
104	2	*D3499-5	*PLACARD				
105	2	*AN3C5A	*BOLT				
106	3	*AN3C6A	*BOLT				
107	10	*AN960C10L	*WASHER				
108	5	*MS21043-3	*NUT				
109	5	*D3672-1	*WASHER (REPLACES NAS1515H3L)				
	~						
120	(5	AN3C5A _/	BOLT				
121	/ 3	AN3C7Á	BOLT				
122	"2	AN3C10A 7	BOLT				
123	₹ 10	D3672-1 /	WASHER (REPLACES NAS1515H3L)				
124	/10	AN960C10L	WASHER				

*DENOTES PART IS INCLUDED WITH D3499-042 ASSEMBLY ABOVE